7530-00-222-3521

FEDERAL SUPPLY SERVICE

(GPO)

Please Return:

Russell Greenberg
National Zoo
Washington, D.C. 20008

Feb 28 1990 -

Puerto Morelos Botanical Garden

610 - Yucatan Virco
4'30 - 7 + fruit
+ 3 trees
R. T. Beard - Sapodilla Lot
+ Associates Yucatan Virco

WEU - 2'00

Atilla 2'00 grabbed fruit

618 Yucatan Virco 60" (+)

WEU in 20'
chosen by YTU Virco

628 YTU 4'30
(+) (2 trees)
(+)

249

Yuchen 4'30 tried 3 fruit got 2
WEU check by Yuchen

then 4 Virco
check WEU

R.T Record

631 Yellowthroated (near tree)

Tried 2 fruit)

2nd fruit 5x (+) 78"

(+) 2nd try
flew out
of tree

5'50 } Yuchen Virco
that 1 flew off
3 times
2 squabbles

6+5 40" - pr Altamira

707. Yuchen Virco short visit

708 WEU check out by -ors = 20"
Yuchen
from token
perch (+)
perch (+)
} 3'26"

721 — Pr T. Hrad - 40"

83 (+)

Q-

726 4TU, dry 90"

738 406" - 5 tries
no fruit

758 - 1 x 7"
2 x 5"
x2 + 1
3 fruit by
} 4TU
5'30"

8/8 WEU ... tree
20'
check out by ??
WEU
8:30 - 200 find 2 fruit

Afternoon we work high 3-ft on
R1 front PCB found two with
materials Burned front traps

Mark 1

Unfurled Aug 1
Lt Dirt Oriole singing

R-B- Spinetails (.)

1-2 WEUROS yuk or
Migrants

Tree at 9 J had 2 fruit (not 3rd)
other two had 1 the fruit as well

Tree at 11 J had 600 fruit
(bagged 250)

Ground Aug 1
Tree at 9.5 R had no fruit.

at 8:12 2 trees had stunted
hard fruit 2 Peppershells +
1 WEU (trying at stunted fruit)
um

Trees at STEVE transect
had little fruit

None at the marked
branches had fruit except

2 on Tree 5 (6 each)

only tree with fruit (>2)

was Tree 5 (150 fruit).

3/2/90

Graded Aqual

8.5 & 2 Berserk

610 CEV 200 ft fat
[illegible]

Swingle got 2 fruit

615- 200 [illegible] 3 [illegible]

622 - left area

[3-4 small trees [illegible]
Till a distance [illegible]

CEV should be ready for
Plyatchv

[B-headed Trogon
7.00
Yellow-[illegible] 50" no tree
Vocation Viola]

Fund Burien beats
work more front

WEV - 2'30" 5 tries
on front

655 ↗ got it (+)

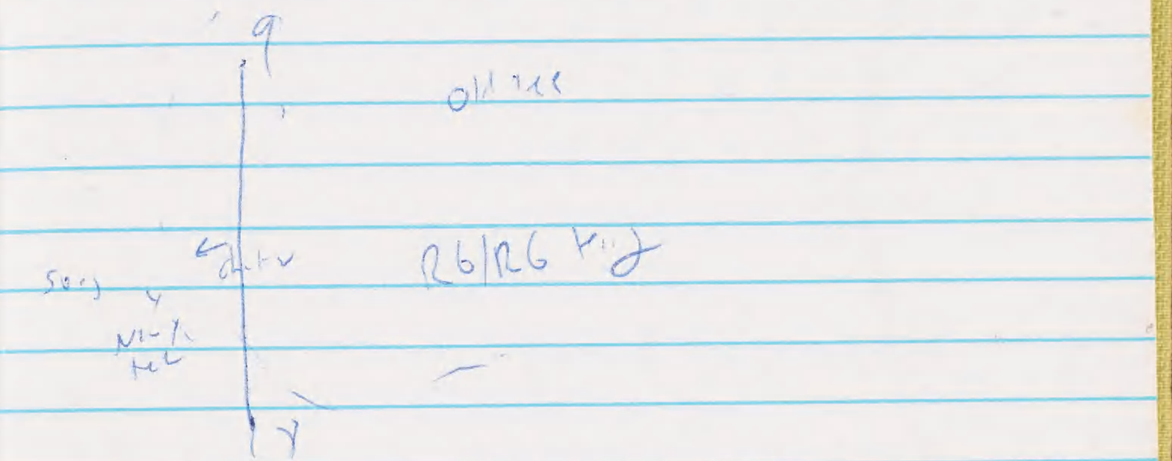
7:30 WEV - 40" + 3 tries
(3 front)

Pos 99 150" front tension
12 times ⊖
front ~ 2,1 (+)
~~3+1 ⊖~~
4th - opp -
→ white ari
left

8':20 ~~130"~~
(WEV R+B)

early 2 bd chitr + response
between 2 bev

R6 R6 front 3x + git outs



Miguel Vilo can by
in Arena - hot chitr stops
in Burien

beg (podium)
tenaur
beg 1"
} 5/6h Arena)

84J wand is off

In area This mug

B. h Trigo-
R. B. Pepperoni
Yuk tin flyer
Attorney Duke
H. Duke

8J Dimpsons WEV=
Lets ox Yellow in hair
40"
2 times the
get once
left
4
8 - 4 4 1

912 - 4TU 50'
tied 2 tank
2nd two visions today
get motto
4TU retard pear tinhatty

Day 2 3/3

6:00 - Sunrise

6:25 - R. B. Pippin
→ 300 2/3 finish
26 W. E. Virco 20th 3 finish
chased by
Pippin
27-37 10' 7-10th finish 3rd finish
5 flyers from
2nd sand flyer

6:53 - 3'30"
R-6 R-6 WEV

2 three
thin 3 fruits
hill fruit - foot
tapped once
else down
other to cover

(FT Beard 6 finish 5th tri
B. L. Trigons, C. C. Robin
B. C. oriole)

7:12 WEV on
in one 60"
tried 1-2 fruit may
have got one

5 Empty
Yuck Ivy
P. flies

8:15 - 7:30 - Captured
unk EV = 0 0 left
1 fruit

8:15 R6/R6 - tree for 30"
tried + got one
fruit

1:10 - T[illegible] B [illegible]
4 B. catbird -
tries have been going for
fruit but chased by
Pair of M. tyrants which
3 (have taken)
at 4 fruit total - left 9:15
(chased B. catbird two)
while was gone thrush

March 4

Actual 8.5 tree

6.01 successful

945 -
500 pr Jan. flyc.
wind, tg
4 fruits +
got 1

953 "Lo" WEV 0/0
tried 3 got 2 fruits
(took 3 trip
other employ
priorities

[B. h. Settlers
T, B. Elmont]

632
120" WEV
RC RC
took 6 hrs
might get one ?

902 -
WEV R/O RC
105" check Z-7
very windy spring
got nicely lit
= JCL.

923 - 50"
0/overcast cloudy ceiling
wind
got 0-1
other 3 snaps at 1
very hazy

March 4th — John Sterling

2:34 Start — #13 tree

2:40 ♀ Black-c. Tityra 1'20" 8 tries no fruit
2:41 ♂ Black-c. Tityra 50" 4 tries 3 fruit
2:45 ♂ N. Parula 42" no tries
3:02 ♂ Black-c. Tityra 2'40" 1 try 1 fruit
3:48 Bright-r. Attilla 2'58" 5 tries 3 fruit
3:40 ♂ N. Parula 1'27" no tries
3:57 W-eyed Vireo 34" 1 try no fruit
4:03 Y-thr. Vireo 1'50" 5 tries 5 fruit
4:03 Br. cr. Flycatcher 1'11" 1 try 1 fruit
4:04 ♀ Bl.-thr. Green Warbler 27" knock cover off fruit - did not eat
4:06 Bl. headed Trogon 39" 2 W. pluck tries ? fruit
4:14 Lesser Greenlet 1'51" 3 tries 1 fruit
4:17 W-eyed Vireo 1'04" 2 tries 1 fruit
4:17 ♂ N. Parula 54" no tries
4:24 ♂ N. Parula 1'35" no tries
4:29 ♂ N. Parula 1'41" 1 try 1 fruit
4:35 Bl.-thr. Greenwarbler 25" no tries
4:36 W-eyed Vireo 2'20" 4 tries 3 fruit
4:37 ♂ N. Parula 4'45" 2 tries 2 fruit
5:08 Br. cr. Flycatcher 1'51" 4 tries 1 fruit
5:10 Least Flycatcher 1'20" hover gleaned ? fruit?
5:16 ♂ N. Parula 47" 1 try no fruit
5:22 Least Flycatcher 30" 1 try 1 fruit

5/5 Actual 8:15 ice

6:00

62 F fr 3 oc. 1 fruit

140" - 8 tries

3 6s" 6 fruit

2 oc
3 oc } F"P

6:36 R. B Grosbeak 2'00
fixed + got 1 fruit?

640 200 oc hEV 0/0

10 tries To[illegible]

5 fruit

on fr: 1" hover
(thumb kit for
2x to swallow)

1 fr. + open the
watching for 120" +
ridiculous ck in 5" (h.
fruit really fruit Ev)

7:05 RT Rt 30" 2 fr + ⊕
F"P
1" hover time

Tis first flight
6'00 no catch

R. B approach come in
wild flurry thru

900 (1st wave
4'00
3 tries 4 fruit
1 miss

→ 6 rec fruit drive out
+ Soil flight
stole arm
4 wrists 120"

3 tries no fruit

7'22 WEV
60"
1,2 1st wave blue
3 tries
WEV 0/0 Close in
Chase the
WEV.

Conn in 0/0
60"
7:28 4" got two fruits in 2 tries
3" } Lt

7:30 Sunburst in trees
for 20"
got fruit 7" left thy
left when WEV 0/0
extend the

738 WEV R6/R6
40" visit
2 fruits
5 sec
7 sec } approach

Trojan
P. Lucht
B. Tbrea Lutler
B. Lorole
4v flycatcher

Glacial
T. Hybird
B. B. flycatch
Lthorn
ground base
of tree in
the b

Burgess at Monadnock
all
Reddish (spoke)

Fall in fac AT hms

hel 470 fr.t; 22 (spl in
one day
≈ 550/day

Tico on Rd Near Gavilo P
615
WEJ flew in at 643

2nd WEV check it out
immediately.

(spoke Rogers for lots of exposed cols)

2nd WEV in for 20"
first 7' handling time by
Popper (1st WEV in 33) a lot)

706 N. B. Tyrannulet
p. held at exposed
a.l. for 10sec.

711 V. flew from 69"
3 Ecr.t (+) 3' handling time
hitched from inside woods

71 – WEV 70" Scroll off by trail

815 = Pr Bridled Titmouse ets
30-45" pick at exposed
a.l.s

840 NW 130"

pick off apple
the ground

25', 37", 29"
left seed.

WEW in the 2 fruit
3 Sm end
20" wind

952 -
BTB 5 300 60, 65" fruit 3 20in NL
35, 40" pick will
left seed

WEW 3'00 4 fruits 3-4 in cal

NW 2'30 — ? cracks

Pick with 20" pole ladder

Heavily SAT →

WEW hits on
dirty fruit
big on fruit 5"

always grab right

922 NW 52'58"

32"
35"
20"
15"

} pick -
incomplete
lift mud
off the fruit
on sides

931

NW
2'30" 25" — ? bpc
17" pick at fruit
(exposed fruits)

Same tree 3/7 2500 ft

24J → windy PC.

front side
about 30° left
and
on

2J8 LEV - ctrl rod ons
front
30V
Pet Perula Wibw 5

3:4 PW 5 69"
1 front parked - Left - 30"

3:5 DTO at 70"
park at front 25'

34 & MWg 2'J8'

60' front pivot open

then pivot one front engine
(then)

then 48' pivot open
↑ 3 this

413 MW 233
PW 220'
→ add to Left

25, 22' 27" round
all pivot points left

501 ML 90"
parked at 1 front
then grabbed 2nd t

fly into windy tree!

didn't see what happened

Agricultural & Tech

610
Nov 00
3'00
4'30
} 8 tries
ate 4-5
fruit
Small 4", 5, 4"
Med 8", 2", 1"

Planted spots
at 2 fruits
without any
dropping the seed
- place

626 R. BPS
2'00
5 fruit
20, 30, 60, 50?
All by pellet
eat 1 - 1 1/2

628 Sfyc.
5 202 fruits
13"
No Hits

Pickyumpkins - Greek -
not in Russia
630 Pr Soc. flyer - no success / try
2"
6 + 8 to the 60"
ate 3 fruit, 7, 10, 5"
open spike remain
& swallowed
Singing in tree!
tried 2 more 2" each

718 Rb/Rb
14" +
2" -
8" +
10" +
- 110"
+ ?
held + prune & swallowed seed

Tapirs calling

also B.C. Birds

Critical analysis

B.A Trojans

Pacific orioles

Scrubirds

Lucki's hybrid

Yellow fronted

Oilbirds

730 Scrubbirds 20 sec.

One front popped

Swallowed in 9 secs

Yellow Orioles 30' Smithers

chased out 2x by

Rumpybird!

750 -10"

WEW O/S got

1 front 7' - could be

tried another 2'

chased out by

RT Lumper!!

740

RB Pipe 24 - some time

Impressively secured

out of tree

probably got 1-2 full

fronts + fluted on 2 more

801 Very brief visit by

Magpie Birds

Warbler Rapid

Vigilance at 8.00

911 Mayfield Vireo

50^ tried 3 feet 2" Cowl

seem to have been

checked out but

didn't see how.

914 Mayfield Vireo

entered tree SE

stationary for 30"

the wrist into tree

then hopped one foot to

a bEV can body

in check it out

& check it 2-3 times

more

after 8:00 WEV still

tree - big difficult to

see -

Mayfield reentered

but shoved out again

till Mayfield for

the last digital

WEV returned

3 times 2" each

then opened a letter, triple

WEV; tree 11:00

most I couldn't

see because of wind

927 - YTV 207"

five feet - popped, yuck

& swallowed

one hopped

4, 5, 6, 5" 7" ht

3/8

↓ taste pics 10:00

3/8

3:00 →

full forest facel tree

300 BTG ↗? in tree thru 2 nice!

44" pick trail

dia. MW ??

3/5 - Jim MW 100"

spr spoke + middle

sled & Steve at tree

320 { MW 20" pick left

30" pick trail type

50" wide front

{ retro Decidet

pick 33"

7:55 ML (Tim)

20" all pick tops + pick trail - leave trail

19, 4, 30, 40, 50"

Steve

too phy 180°
put in front
+L
8'30" 2nd front B acc.
3rd 00"
4th 40"
to 42"

4 42 via the NW No 3c
for pumba

TAC B
9'10 Left fly - 20" wide
(H) - instructions
Shallow

9'12 [4, T, Virco]
TK

9'16 S. flyer TAC B 2'30
from R / got 1 - 5"
Virco
TAC B WEV 20" got 1

3/0 is in middle on
book

9'6 A. moved - had 20
got 1 - 40'
T. Hybrid - got 1 2"

Chuck should write

Virco got 3

lost the ball flying
opposite - project
over left 9'20"
9'2 ball flyer
hide

↓

Pyramidal — 40'
20
20'

3/22 Sun.

Tree in front of Mission
Thick - fruit 4-10 mm
~~flower~~ $5,000 fruit
hot flowers in breakup
10-11 New bright sun
fruits!

~~Mystic~~ In Rows - lots
of Berries - fruit - some in
flower:
~~Byron~~ Kimberly + Doc.)
Plymouths & Mary trees.
Sue Myrtle Lobb put at fruit upon
picked it up - carried seed to
ground below tree. & dropped it

also lots of Eupatorius Urich
tree.

Trip List 2/27 - 3/23

Yucatan Peninsula including
Sian Ka'an, FCP, Cozumel (2 days)
chichen Itza, Uxmal Valladolid trip.

Brown Booby immature - Cozumel
Double-crested Cormorant
Neotropic Cormorant
Anhinga (Rd to Cozumel)
Magnificent Frigatebird
Great Blue Heron
(Great White Heron) 1 Sisal
Great Egret
Snowy Egret
Little Blue Heron
Tricolored Heron
Cattle Egret
Green Heron
Wood Stork
White Ibis
Blue-winged Teal
Lesser Scaup
Turkey Vulture
Lesser Yellow-headed Vulture
Black Vulture
Gray-headed Kite
Hook-billed Kite

Swallow-tailed kite
Crane Hawk
Common Black Hawk
Gray Hawk
Roadside Hawk
Short-tailed Hawk
Zone-tailed Hawk - Punta Morelos
Ornate Hawk Eagle
Laughing falcon
Crested Caracara
Collared Forest Falcon
American Kestrel
Merlin
Bat Falcon
Chachalaca
Great Curassow
Black-throated Bobwhite - none at Reserve
Ocellated Turkey - 2 total in Reserve area
Sora (R. Lagartos)
Gray-necked Wood Rail
American Coot
Jacana
B. B. Plover
Semipalmated Plover
Killdeer
Greater Yellowlegs
Lesser Yellowlegs
Willet
Spotted Sandpiper
Ruddy Turnstone
Least Sandpiper
Western Sandpiper
B. N. Stilt
Laughing Gull
Herring Gull
Royal Tern
Sandwich Tern
Black Skimmer
White-crowned Pigeon
Red-billed Pigeon
Mourning Dove P. Morelos
Zenaida Dove
White winged Dove
Common Ground Dove
Ruddy Ground Dove
Blue Ground Dove
White-tipped Dove
Caribbean Dove
Aztec Parakeet
Brown Hooded Parrot (Mohenlich) 5-6
Yellow-lored Parrot
White-fronted Parrot

Spotted Cuckoo
Smooth-billed Ani
Groove-billed Ani
Striped Cuckoo
Pheasant Cuckoo
Lesser Roadrunner
Mottled Owl 3-4 FCP
Black and White owl pr. at Punta Lagunas
Ferruginous Owl
Pauraque
Yucatan Poorwill
Long-tailed Nightjar
Vaux Swift
W. Chestnut Swift
G. B. Mango
F. T. Emerald
W. B. Emerald
Mexican Sheartail
Ruby-throated hummingbird
B. h. Trogon
Collared Trogon
Violaceous Trogon
Ringed kingfisher
Green kingfisher
Belted kingfisher
T. B. Motmot
B. c. Motmot
K. B. Toucan
C. Aracari
Linneated Woodpecker
G. f. Woodp.
Yucatan Woodpecker
L. Barred Woodp.
Smoky-brown Woodp.
Pale-billed Woodp.
Tawny-legged Woodcreeper
Ruddy Woodcreeper
Barred Woodcreeper
Olivaceous Woodcreeper
Tawny-bill. Woodcreeper
R. B. Spinetail
Plain Xenops
Barred Antshrike
B. f. Antthrush
Red-topped Manakin
Grey-collared Becard
Rose-throated Becard
Masked Tityra
Black-crowned Tityra
Tropical Kingbird
Vermilion flycatcher
Couch's Kingbird

Social Flycatcher
Great Kiskadee
Boat-billed Flycatcher
Great Crested Flycatcher
Brown-crested Flycatcher
Yucatan Flycatcher
Dusky-capped Flycatcher
Tropical Pewee
Least Flycatcher
~~W.T.~~ S.T. Spadebill
Yellow-olive Flycatcher
Northern Beardless Tyrannulet
Yellow-bellied Elaenia
Greenish Elaenia
Northern Beardless Tyrannulet
Mangrove Swallow
Purple Martin
Barn Swallow
R.Winged Swallow
Cave Swallow
Brown Jay
Yucatan Jay
Yucatan Wren
Carolina Wren
W. B. Wren
House Wren
Cozumel Wren

Cozumel Thrasher
Black Catbird
Gray Catbird
Tropical Mockingbird
Clay-colored Robin
~~Wood Thrush~~
Blue Gray Gnatcatcher
Tropical Gnatcatcher
L.B. Gnatwren
R.B Peppershrike
Cozumel Vireo
W. E. Vireo
Mangrove Vireo
Y.T. Vireo
Y. G. Vireo
Yucatan Vireo
Tawny-crowned Greenlet
Lesser Greenlet
R.L. Hangnester
Bananaquit
B+W Warbler
Blue-winged Warbler
N. Parula
Yellow Warbler

Magnolia Warbler
B. T. Blue Warbler
Myrtle Warbler
Yellow-throated Warbler
Ovenbird
N. Waterthrush
Com. Yellowthroat
~~Y. B.~~ ~~R. B.~~ Chat
Hooded Warbler
Am. Redstart
M. oropendola
Y. B. cacique
Bronzed Cowbird
G. T. Grackle
Orchard Oriole
Black cowled Oriole
Hooded Oriole
Yellow-tailed Oriole
Yellow backed Oriole
Altamira Oriole
Baltimore Oriole
Orange Oriole
Red-winged Blackbird
Scrub Euphonia
Yellowthroated Euphonia
Blue-gray Tanager
Summer Tanager
Rose-throated Tanager
Red-throated Antthrush
B. headed Saltator
Grayish Saltator
Cardinal
R. B. Grosbeak
Blue Grosbeak
Blue Bunting
Indigo Bunting
Painted Bunting
Y. F. Grassquit
W. C. Seedeater
Blue-black grassquit
Olive Sparrow
Green-backed Sparrow
Savannah Sparrow

3/23 3:00pm (Sunday)
Understory Leaf cover
Sentry Km 4 fcp → Upper Clear
Transect 1

100 Int 12
2m Dead fly 12
100 2mm Hackberry 12
200
3m spider ety 5m
Spkr 12

200 5m Stick 12

300 4mm mesh spin 12

200 2.5cm metal gr 12
8mm spr 12

200 3m Long moth 12

100

200

100

100

200

100

20U 5m fly 12
100

100

10 ants

Transport - more ops

50 9mm cat
50 5mm yellow sphere
cal. bump
150 5mm sphere
2.5cm brown cube
100
3mm flyab
1mm interspace
1mm interspace
100 3mm cat
3mm interspace
100 3mm magenta
50 2cm [illegible]
300
150 3mm sphere
100 4mm hexsphere
100
5mm sphere
150 3mm cat
50 5mm yellow sphere
100
50 5mm hexagon yellow sphere
1mm
30.cm metric
50 4mm hexagon metric
100
100 5mm green sphere
50 9mm cat
150
200

100

2 mm wasp it

5 mm spatial bump it

50

2 mm spirit

50

5 mm [illegible] spirit

50 4 mm sun spirit

6 mm spatial bump it

4 mm bump add it

200

250

Transcribe 3

Sn[illegible]h

150 3 mm fish it

100 4 mm breath bar ish

[illegible] mm spur ish

4 mm [illegible] lb

2 cm mouth b

150 4 mm bar lump lb

3 mm sea it putish

50

100

100 3 mm spirit

50 4 mm spider lb

5 mm grain spur lb

50 3 mm jaw spur lb

200 – 3 mm lung lb

100 – 4 mm gr spin lb

50 5 mm Rel spin lb

5 mm gr spin

100 – 3 mm [illegible] lb

Rel spatial bump 3 mm it

4mm Reddish brickdust

200

50

100 4mm white sprouts
5mm green

Most
3/24 also R1 5mm
to (still green in NEW
Brown patch
out flowers + fruit now
Transect 4

200 [illegible]
100 2mm white ??b
4mm sprouts

50 12mm brown
(liverpilus ?)

100
200

3/24

Transect 4

100

100 3mm sprouts
6mm Khaki dried mycelium

200

7mm Red + Black circinella(?)

3cm hairy fallow bright
Chlorella

100

1100 50 5mm Red sprouts

500

100

200 3mm sprouts
5mm green sprouts

1100

100 5mm yellow sprout heads

100 3mm oval
4mm tongue
4mm sprouts
3mm tongue shaped

100

50 5mm saw sprouts

2cm

250

100 2 mins

100

100

100

Bursitis L.H.L = 500
finally
1 min flexion

Transient T

200 - 2mm bl. L upper lid
4 mm fly lb

100 2 mins

100

100

117 3mm hemangioma lb
cut
1cm keratosis lb

200

200 anL

200

150 5mm Rose block excision lb

250 3mm spiral lb

500 2cm green hemangioma lb
1mm breathe lb
1mm wart lb

200

2mm hemangiol

150

150

150 3mm spiral + 200 lb

150 5mm green spiral lb

4m - spatula
1m file

100

transfer 6

200 3mm metal - petrol
in it

50 1mm plastic spatula
5mm weight

50

50 5mm hexagonal bolt
3mm round head screw
3mm bolt

100 3m lb

3mm spatula
4mm spatula
150 3mm spatula
3mm wedge lb hr

2cm Brown + Coarse ~~front thumb~~
heap lt

250 [illegible]

100

150 3mm spring lb

[illegible]

150 2.5 cm triple
orgs on three
17

200

150 1.5 cm rectangle lb

2.5 cm triangular
lb

3mm spiral lb

50 4mm elliptical lb

1500 4mm gear spur lb

200

200 steel steel flat
lb
3m
spike lb

7mm mouth lb

2mm bezel

30 J

Transect 7

50 2cm topsoil pupae

100 3mm spinach

2mm height

200

150 - 4mm height

2.5cm - height (3mm
depression

3mm leaf thickness

250 3mm spinach

3mm green spinach

2mm spinach

300

350

400 3mm spinach

200

250

300

350 3mm spinach

200

250

300

350

400

450

500 3mm spinach

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

1500

1550

1600

1650

1700

1750

1800

1850

1900

1950

2000

2050

2100

2150

2200

2250

2300

2350

2400

2450

2500

2550

2600

2650

2700

2750

2800

3000 3mm spinach

2950

2900

2850

2800

2750

2700

2650

2600

2550

2500

2450

2400

2350

2300

2250

2200

2150

2100

2050

2000

1950

1900

1850

1800

1750

1700

1650

1600

1550

1500

1450

1400

1350

1300

1250

1200

1150

1100

1050

1000

950

900

850

800

750

700

650

600

550

500

450

400

350

300

250

200

150

100

50

4mm spinach

3mm spinach

3mm spinach

3/24

245 Mixers - Bow Rolls

200 3mn fly lb

100 3mn spr lb

100

100 2mn spr lb

100 (Updresses)mn

200

100

100 5mn mixed

200

100 5mn spr lb

100 4mn spr

100 3mn spr lb

100 3mn spr lb

3mn fly

100

100 5mn spr

100

200 3mn Mixed

Rec Mixers

300

5mn Mixed offlo

3mn fly

200 4mn Mixed lb

3mn hand

100

4

Red Mirror

1GU

1UU 2 out

200 3mm green

3mm green light

3m green highlight

17

1TU

3?0 3mm black band

3mm flash

3mm hump

3mm Hollow

3mm Bevel

1?0

4?0U

100

1000

20U

1?U 4mm hemp

4mm birthday ft

1?0 3mm spider lb

?10U

?U0 - 3m Hollow

Red Rogue Book Bulk

350
200
400

2m spunk
1cm licorice
200
100 3mm gum [illegible] height
200 3mm height
200 3mm height weight
100
1750
800

32

4YE 231

4Y4E 231

800-1000 circ
cm

Tulum Mayan Swap Blockbuster
near Ruins

100 - 3mm height weight

100 3mm spunk
3m fly
3m tie
150
ant
ant
3m spunk
100
3mm height
3mm spunk
100 3mm weight
3mm flat
100
100 3mm homework

10V 1 cm² lizard

10V

4mm spider

3mm spider

4mm wasp

4mm moth?

4mm moth

3mm ?

4mm moth

4mm bug

3mm fly

20V

4mm spider

10V 10mm caterpillar | Scene cut

3mm beetle

10V

3mm spider

fly

1mm

20V 3mm beetle

20V 3mm fly

20V

100 3mm spider

5mm [illegible]

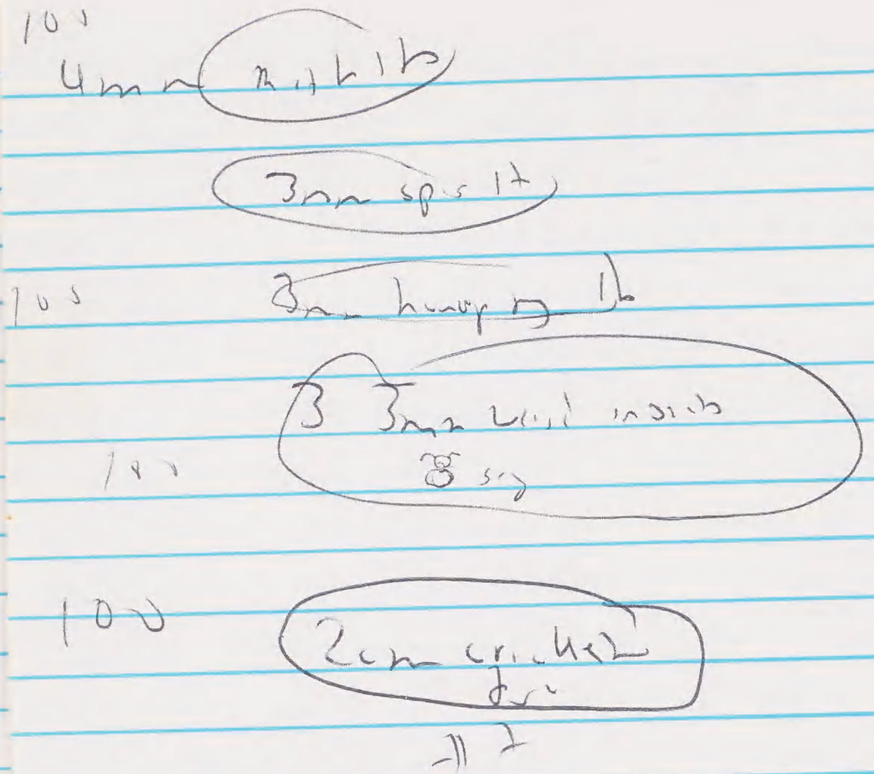
3mm [illegible]

300 3mm [illegible]

4mm fly

100

100 4/mm moth



3/10

Tree by Fish

Lyons - late start
due to late cab
Bird marked at tree
seen feeding 3/9
6 40:

703 WW WEV

67"

2 front
5" hurt, time

~~and~~ sing in tree 1

710 WW in tree 77"
WEV

716 pr of R.T Tagged
pair that tree

721 ~~best~~ Shiloh
5th in tree 50"

724
WEV-WW 53"
got two front 7"
3"
front one 1"

silent

734 WEV WW - 58"
.3" (+) -
5" (+) -
3" - left tree with seed

738 4 birds flycatcher mostly in
in the left 10"

In area: Blue jays Or. Bluebirds
4-0. flycatcher
R.T Towhee
4 white flycatcher
4 WEV WW

903-63" trial 2 - 2" WEV WW
fledg"

look for 20"

3/10

~~9:10~~ woke up

~~7~~ 150 WEU WU
ate 1 fr. at 3"
lost for 20"
total 40"

9:12 WEU ~~chased~~
another bird (Lucy)
~~Out~~ in
outside the
window

9:13 & BTB started
tree boo
didn't try to
eat any fruit

10:00

7 WEU visits 10-15 feb

3/10 windy - mostly clear
2:45pm since the last msg

~~2~~9 WEU (?) in the 20"
then out
all Carolyn's 60" no attempts
(near the C. Arecari
M. tyra)

Some Tree (on first Layout)
6:00 March 11 [In and B.C.T. Jr. / C. Acer / B. Lasiantha R.F. / N. Tyson Bc(+)]

640 Left flyer
1'30 no
attempt

641 MW 2" Trct

704 WEV wb TV"

Pipit one - pitt "
all - hoju 2

[illegible]
3,1 6"
4th - 4"
20"

712 MW

724 WEV Vireo
I Swirl 2
w 2 w/ Trct
when I got up

741
WEV wm vcs quite
gut 3 flits 3" each

Wind up at 730
↳ itha vcrs wing

752 cm WEV from left
again - sit sitting for 30"
veg Shadow Scrub at
bycatch of flying Arctia
v
824 30" visit LEV [illegible] wh?
834 150' 1 fly, WEV
+ - 4"
+ - 3"

915 WEV um 164'
(very sr-y on thigh)
Spot out seed on (r...)
+ - 3"
⊖ - 2"
⊕ 3"
⊕ 1 collard out of toe

925 WEV wW

3 0" fried one fr-2

+ flew out

939 WEV(?)
bict 20"
tried one fr-1

948 WEV um
3"
3"
spidery
5"
⊖ 2"

941 WEV W-
try one
20"

W- 5.9 w.c
4/10 fr-1
6
um 8/11

Total = 11 12/2 c

No Exposed cat.

3/12 Tree on Rd to
6.00 am Leyina dg 3

8:00 wind is up

[Birds in area
B. h. solitarios]

heard very little crew
activity in area
this morning

921 WEV wlw
3.5" trunk 3 tri.
2" mesh to falcon

932 WEV wlw
20" for one
chisht for one

933 3" WEV Sheared
one foot
unknown?

937 33" WEV wlw
3 feet ?, 8, 6"

938 50" dyed 3 qt lot - 3"
Points
4 feet
51 / 12

WEV wlw
940 2 feet to sec wlw

Afternoon walk

3/12

3:30 Tree #12

clear + breezy

3 FT WEU come briefly

couldn't see

[T. Trojan near tree]

Nada mas?

Lagoon Tree

Jan 13

69 clear calm Tree

130 Lots of birds (waders - sing)

4 B-tailed Godwits [M. Tilly] B-t Tryon

Elanie R.T Beard B. & Silke BTG

6 Bar-tailed Godwits Alicia

6 T. Greenish Tattler ia 6 f. Knot C. Ruddy

B.C. oriole

chirping by W.EU white

tried one

+ failed

Two Whimbrel fly'd fwd + = opposite

pole ckt -

left

got second 3"

[illegible] 5"

6 Green returned 20"

7:12
WEU with
8 x 4
cle 6
left one exposed

72Y
Pr of Fourth
Multiples
Skate one
first
multiple exposed
only (spaced figures

WEU in 2b"
Chill out by
4 4. Work pr
first 1 + 0 1
first

Workouts until Demand
or Practically
at Busser
Ready @ Busser

7:51 WEU WU
4 first 3" each
(Pr) 50" in tec

Sq 60" WEU
3 first
3 sec. each
daily : tec

(17)

if 2 Wk WEU
Mult 1"
2nd 6" } 60"
3rd 3"
to 1 for 60" pin. light
left
1-2 more:

(17) D

Work 8:30
Gosh 4:00
848 100"

very gr2 WEV (misbw)

tried 1
got 1
opened to the one inside
got 1
1.4V

922 interloper

enters tree

how chose it out

objection! chose!

927 Interloper (not both
worked on first —
chased out by WW
long ovirus chase

929 - WEV(init) in 107

might've got 1 first??

134 - WEV vm 30"

got 1

missed 1

(very nervous)

943 WW WEV enter

tree 150" then down
down under tree to
chase another one

March 19 Chicken-Itza

5:50

track by Red Horse

Track A - 300 foot No lines
3-4 floor holds

Track B (Right) 2,000 foot
No lines

Overcast

6:06 Track A 20" Low (+) left
607 A 30" Low (+) line

Very Narrow

610-617 Confusion

~~Low~~ 4TU in A
Check to see if
2nd TTU
in Low Track B

2 Altimeter units - 700
2

2nd
4TU two flight
Track A (the TTU checked out)

~~Red~~ Divided check
Unsure to purple
Left
headpiece use

couldn't keep track here
what probably happened.

4TU's got at least 4 foot
track second time
Low ? (foot)

Divided track eye foot (40-50 ft)
with upside-down 2
pickets still used
for 30 foot)

620 4TU's found 2 feet ⊖
the checked out by TTU's
in free supply going
for 60"

628 – Birds leaving food
for young birds in tree

[B.h. settators in tree]
s. plyc.
kiskadees

LEU
63→ birds in tree
1 try – 1 fru, f

638 – LEU in Tree A 300 – 7 tries
1 fruit – knock
97 ↓ ... ~ ~ ~

711 4TU sitting
in Tree A

723 180'
WEU check &
got Nada
removed 1 value oxa
& fruit
removed for 4"
Fruit dropped
& Virtu down
after it
almost to ground

723 - 4 Tuya in A 30' to-do
in B - 2'00 Nada

TREE B has almost
all of its crop - 10%
fruit & Asi Radial Trail

Tree A is small
just with small
green fruit!

just
flycatching thinking
going after fruiting
with lycra
fruit

1st-823 WEU tries to get
out!

return for 2'00
decided to
got one more
one tried for 60"!

Very vigorous trying

8:32 4TU is first

A 30m

the first B

for 2'00

third 8 first

WEU is next

B briefly -> Nadia

8:41 4TU back

in for 20m

WEU

8:48: 30m trials

for

starting

To

9.00

	Visits	tried	don't call
WEU	10		9
4TU	10		5
Tilburg	5 (3)		3
A'dam Oracle	4 (2)		0 (2)
Eindhoven	2		0
Groningen	1		?
	32		18

March 27 Usual

Tree A cl 600
Tree B 4,000
Tree C 10,000

Two Big trees by Path
Lot (some is in Now)
Lots of fruit - No leaves

Quantity picked Tree A-7

{50-70% of fruit has been removed based on fruit stars.

C
Cold Index

A left B Right

[(Behind)

(RT Beard Q) → Pluck 2 fruits

B - Beard Q - No fruit picked

Missing Jay 1 acc B - Tried 6 - got 3 picked out of seed

6:00 couldn't tell if it ate seed

Clock 3-7 in Tree C

6:07 Another Jay in Tree B

6:10 Orange onsie @ 117" 12 tries
No success

6:12 WBU - 30" Tree A
30" Tree B

6:13 RU wood (Tree C) → Tree B
tried vac tree A

[Missing Jay B]

[Hooded oriole]

at tree 30"

6:14 20" [H. oriole] tree A only 1 pick fruit

6:17 tree A 35" WBU 3 tries

[social flyc. hanging out]

Tree C Guardian

Attacks Oriole — took 12 not full

Missing 1 — 10 fruit then got 3 holds — took trapping silk only — ~30" per fruit

Saw 5'00 Arcuate Sam — got 2 fruit pecked all off silk on stem 40-50" WEV 5F" fruit 3 (=)

626 Scarlet Tiger — B, A

No feeding

633 Tree C

2 Ashy Gray Owls

picked 8 but got 2 fruit dropped silk and corrected gait — gait recorded

C40 A.M ouch

2'00 Tree B

took 7 Nectar

2'00 Tree A took 4 nectar

652 Flying Owl in Tree B

654 2 Scarlet Tiger Orioles come into mob owl — all left

Gray Owl Tree C

Bad

Pr. Tanagers Tree A

got 1 (3") fruit etc

Tree C (parted seed from WEV after explosion)

Tree A WEV 30" got seed 2/2 fruit

Returned but seed

Tree B Oriole took 5 in 60" P.

tbo tree c

hos orioles (can't see

well)

702 3 b f woodpeckers

in Tree C birds 3'00

saw 1 probably

second 1/20 trunk

swallowed in 2"

707 A. M oriole 60' ? fruit tried

flew closest out by

G. f. woodpecker check

this tree

712 G.f woodpecker 6:47

2 fruits/100 tree

Swallowed

Crissal Thrasher 3'00

tried to

get 2

chased by

woodpecker

717 Fruit Preference Tree C

for 3'00

WEO = Tree A 30"

Tree B 30" tried 1

730 1 2 0 Altamira oriole

tried if fruit pick

1 30-50"

Tree chosen 6:51 start later

2 Hooded, chased out Altamira

no feeding

(Silver left 730

tried every fruit once

4 times, hooded

Tree A
20" WEV got 1

Tree B & B.C flys. Silver got 1 further
Silver

Yellow Jy tried several
" "
Altamira oriole

Yellow Jy chased Virco
when it got upside

f.k, J. flys. NO for Jy
s. fly → B.C flys.
[6. Eliam Tree A]

Oriole orioles in 2'00 each
3-4 times

Altamr Pr → 2'00 → Tree
the I alone

[Bird, woodpecker in tree C

740 Tree B WEV 20"
got 1

Oriole oriole got one unhooked
WEV 10-11
Fly

woodpecker - chased F
away & ate fruit
B. v. Scrub Virco Scm
in a Wt
Immediately chased it
away

Bird time is briefly

Woodpecker is for 60"
748 ~~AA~~ Scrub Virco in
tree A, 16' got fruit

Altamira oriole is tree A
20' left

740 S flys tried

AA
Oriole ahead one seed

[Tree C woodpecker, ~~AA~~ 4. Jay

4. Oriole Tree B chosen
but by S. flycatcher

7:9 Sitka Tree B bird

Altamira orioles Tree A
1 got 1 - 30" perched
low

[Tree C Altamira Oriole]

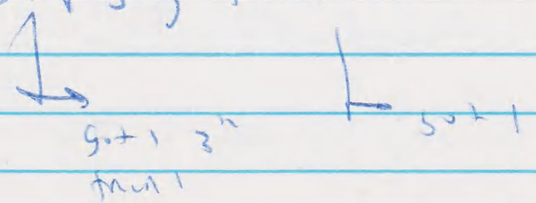
[8:4 WEV Tree C got fruit
long handling time]

S. flycatcher

8:6 WEV Tree D
2 WV got close
got 1 2" belly fruit
bird

8:9 S. flyc tree A closed
bird in tree C

8:11 S. flyc. 1 hybrid + 3 Aud



8:18 S. flyc 2:00 Tree A
got 1 fruit

[4 Jays in Tree C]

8:21 WEV 120 Tree D
got 2/2 fruit

8:22 Perched Tree A
the B for 60"
got 3 fruit
all grabbed 30, 10, 10"
perched

8:~~28~~ 30 oriole 30" Tree B

[C = B.F. could,
the A. Mockin]

8:30 Tree A - A. Mockin Tree 3

8:31 Tree B
D. C flyc. 30" then 1 ⊖
chasing Tree

8:32 A. Mockin Tree B 32"

8:34 WEV Tree 8 50"
got 1 after 3 tries

831 2nd WEV = Tree

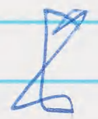
B got four =

third by 1st WEV

[Tree C Prop. shrub
4 Turns]

844 2 A.M. orioles
Tree B
60" thin to Tree C
5 Yellow Jays = E

846 T. Hybrid Tree B / 2nd hyb
chg



got 1 3" tussock sit
tried 2x more

3 Seed flycatchers
↓
SW 1 To A got fruit
D. flycatcher in

847 hybrid 1st, then Jay

All but 2 hybrids
left

Tree B 4 Jay tried
3 one grabbed
& dropped ⊖
tried to break free
from T. Hybrid (+)3" #

852 hyb back left, then Jay

854 WEV tree A got 1 ⊕

855 Tree B Hooded orioles 4"

[WEV Tree C 4 Jay
A. Mwula

858 Pr AM warbs 15-20 trees ⊖
Measured 10"

Yellow woodpecker Tree B 20"
Tree A & C

1. fruit closed capsule that ripens without being exposed to the
2 a. 1 seed each to be
shallowed by
Plant
3. long ripen season 7-9 mo
cultivating

4. Interspecific competition

5. No history

6 Animal by hypos, the fishers
Pikas

7. variety of [illegible]

8 Simply behavior

9 dysphoria vs crop

Tree 1 Points to Points To (Point)

Feat

WEU 6

Introduction -

Possible importance of mycky
birds as dispersers -
~~of~~ other similar numbers
(time & Resources)
Morton Orenberg
Martin
mainly "deepfruit"

Fruit syndromes - less specialized
fruits versus small diverse fruit

Mycky as small as most migrant
fruits as small abundant (exception - Lauraceae)

National & possible coincidence with
a fleshy no pulpy migrant
Hurricane fruiting at a more
specialized fruiting system

Previous work on Barro
Shanty
Project

Background on Virola
Methods
Study site
phenology -
1 Flower Aug - May

2 Mature species Aug - May

3 ~~Ripe~~ species ~~all~~ Oct - March

probably Aug - May

1, ripening ~~also~~ low - ~~except June Feb~~
increases Feb

later in season

Fruit structure -
dissect species
arils
birds eaten when ripe
~~pulp~~ used with cut red aril
size + color

Input fruit ~~+~~ fruiting is
seeds

Abundance of Berries

Variations - Full, Fb only, Mach

other sites.

Coating - Focal tears

~~Face behavior~~ ~~Mental~~

Property

Virus

by Brothers

~~Cl~~

Rubber

workers etc.

Self disposal

Early time & visit both

Aggression & avoidance

e) ~~Use~~ Fixing at use by LEV

(b) Full

Soaking

b Concern at Breast + WCV

(Focal Point study)

Discussion

Phil ~~Need to~~ Difficulty to determine

Unusually low frank percent -

[Some tail towards end significant

Fact

other studies

Fruit flushes

Fruit structure – species with
closed ripple
provides close sticking way
of fruit cup

Rachis – difficult to remove
from seed

small size

fruit
no adornment

All this suggests a small
dispersal unit a close association
with fruit –

why different from other stalks

a) evolutionary – other Nepeta
fruit are larger + Red

b) seasonal shift in "stalks"

c) Age or size related shape

Dispersers Checker

Vireos Martin Jays

Tityra Orioles (3)

Flycatchers Peppershrike

Bird Warblers

T Grackle?

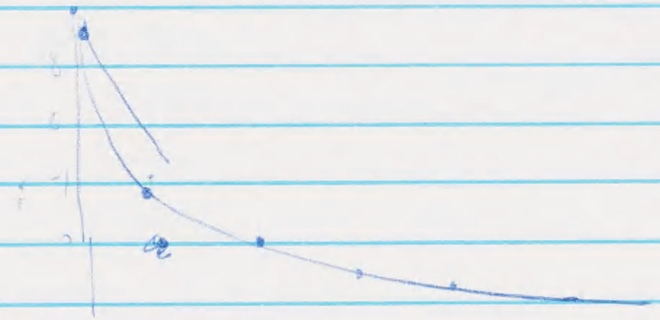
R Tanager

	≈33 trees	?
W. Tanager	1	?
Yellow-bellied Sapsucker	2	?
G. F woodpecker	1	?
B. crowned titpra =	1	D
M. Titpra =	7	D
R. T Bird	4	D
G. C. Bird	1	D
Yellow Jay	1	C
Scrub Flycatcher	1	D
Ruby-crowned Flycatcher	1	D
B. C. Flycatcher	25	D
Yellow Vireo	4	D
Yellow-throated Vireo	10-15	D
W. E Vireo	30	D
C. C. Robin	1	?
Peppershrike	2-3	C
Grackle	1	?
L. flycatcher	2	?

Magnolia Warbler	1	C
Parula Warbler	3	C
B. T. G. Warbler	3	C
R. T Tanager	1	D
R T A T	1	D
Blue Bunting	1	?
B. h Scarlet	1	D
Orange oriole	1	C
Altamira oriole	1	C
Hooded oriole	2	C
B. headed oriole	1	C

25 species

F



Marcy Book problems

Acrd to follow work of
chronicles

~~Needs~~ other repetitions

Should use Tables - more

Figures are poor

~~Ex~~ Morphology is poorly
covered

Too much emphasis on
pivot words Diedrich

Hardy tree
Locust 4
MW 10
PerW 7
BTB 5

WEV 7
YTV 3

Tulip
Peppermint
Sweet Flowering

Study

Monday — Laura - Mc tree; Meredith - John total birds; Field Notes; Photos

Tuesday — Mc tree } others to color

Wednesday — All 4 trees

↓

Thursday — Carousel

Fri
Sat
Sunday → } Canopy

Monday — chickenhead

Tuesday ~~Sunday~~ Carousel

Wednesday Celeston ? or Sweet ?

Thursday back to Carson

Fri / Sat / Sunday John + I total
(Canopy)

	R	J	M	L
F.	TW	Tearing Pillow T-pc	Gauze	TW
Sat				
Sun				TW
Mon				TW
Tuesday				TW

Other Things -

1) Finish Mrs. Cook book - rough draft revised

2) PEW statement of interest

& afternoon activity

64 / 22 — 30 / 22 — 170 — 20 / .6

5.12 — 95 — .3

49 / 12 — 37 — 265

~~Eyeball morning song~~

~~Try to make 2-1 bow~~

~~Trip terrain~~

~~Try way people~~

Make Trees

Call Ingrid

Call Barbara

Arthur Arjuna

~~Flashlight~~ Tuesday

Net

~~Colorboards~~

Skate

~~String~~

In train

Laundry

~~Director~~

Things to do

Fruit simple

~~Crop size~~

Visit to Fairy Trees 11/15

~~Visit to Airport trees~~

Lunch?

~~Trees in Prose Marcia~~

Green pine cone

Illegal Vine Salamanders

~~Forest detail story~~

~~recreation tree~~

~~structure~~

chicken tree

~~type size~~ / line

- handle transition

fruit photos

Trip List